

10/23/96 Draft
Delta Island Evaluation Criteria
for
Application of Special Projects Funding

by
 CALFED Levee and Channel Technical Team

Island attributes are resources that would be damaged, harmed, or lost, or adverse effects that would occur, from levee break and island inundation.

ISLAND ATTRIBUTE	VARIABLE	INFORMATION SOURCE
Population		
Permanent Population	Number, 1990	DWR Delta Atlas (1990 Census)
Town Population	Number, 1990 (& Number of Towns)	DWR Delta Atlas (1990 Census)
Recreation Use	User-days projected for 1995	USACE 1982
Public Infrastructure		
Federal and State Highways	Miles	DWR Delta Atlas
County Roads	Presence/absence	DWR Delta Atlas
Value of Damageable Roads	Dollars	USACE 1993 (vol.3F)
Water Supply Conveyance	Miles	DWR Delta Atlas
State or Regional Parks	Acres	USACE 1993 (vol.3E)
Flood-Control Levees, federal	Miles	DWR Delta Atlas
Flood-Control Levees, local	Miles	DWR Delta Atlas
Private Development		
Housing Units	Number	DWR Delta Atlas

Value of Damageable Housing	Dollars	USACE 1993 (vol.3F)
Residential Lands	Acres projected for year 2000	USACE 1993 (vol.3E)
Value of Damageable Commercial Properties	Dollars	USACE 1993 (vol.3F)
Commercial Lands	Acres projected for year 2000	USACE 1993 (vol.3E)
Commercial-Recreation Lands	Acres projected for year 2000	USACE 1993 (vol.3E)
Recreation Resorts	Number	DWR Delta Atlas and Hal Schell n.d.
Value of Damageable Crops	Dollars	USACE 1993 (vol.3F)
Agricultural Lands	Acres projected for year 2000	USACE 1993 (vol.3E)
Irrigated Agricultural Lands	Acres or percent of total ag.	Source pending
Major Crops	Name list	USACE 1993 (vol.3F)
Industrial Lands	Acres projected for year 2000	USACE 1993 (vol.3E)
Railroad Mainlines	Miles	DWR Delta Atlas
Natural Gas Fields & Storage	Presence/absence	DWR Delta Atlas
Natural Gas Pipelines	Presence/absence	Source pending
Power Transmission Lines	Miles	DWR Delta Atlas
Water Quality		
Salinity Intrusion Induced	% salinity increase at Clifton Court Forebay	DWR hydrodynamic model runs
Export Water-Treatment Cost Induced	Dollars	Source pending
Critical to Water Quality	DWR judgement: yes/no	DWR Delta Atlas
Cultural Resources		
Known Archaeological Sites -	Number	USACE 1993 (vol.2)
Potential Historical Sites	Number	USACE 1993 (vol.2)

Habitat and Special-Status Species Interior to Levee Systems		
Native Vegetation	Acres projected for year 2000	DWR 304 and USACE 1993 (vol.3E)
Wetlands	Acres	National Wetland Inventory*
Riparian Habitats	Acres	DWR 304 and National Wetland Inventory*
Agricultural Waterfowl Habitats	Combined acres of rice, corn, sorghum, grain, hay, and pasture	DWR land-use mapping*
Known Special-Status Plant Occurrences	Number recorded by 1995	NDDB <u>in</u> CDFG 1995 (Appendix F)
Known Special-Status Wildlife Occurrences	Number recorded by 1995	NDDB <u>in</u> CDFG 1995 (Appendix F)
Natural Resource Areas with Significant Habitat Values	Name	CDFG 1995 (Appendix A)
Habitat and Special-Status Species Associated with Nonproject Levees		
Freshwater Marsh	Acres	CDFG 1995 (Table 4)
Riparian Forest	Acres	CDFG 1995 (Table 4)
Shaded Riverine Aquatic (SRA) Cover	Linear Feet	CDFG 1995 (Table 4)
Known Special-Status Plant Occurrences	Number recorded by 1995	NDDB <u>in</u> CDFG 1995 (Appendix F)
Known Special-Status Wildlife Occurrences	Number recorded by 1995	NDDB <u>in</u> CDFG 1995 (Appendix F)
Natural Resource Areas with Significant Habitat Values	Name	CDFG 1995 (Appendix A)
Other Evaluation Criteria		
Island Size	Acreage	USACE 1993 (vol.3F) and DWR Delta Atlas
Presence of North Fork Mokelumne Levees Needing Improvement	Levee improvements adopted in North Delta Program**	DWR 1990

Notes

* to be developed from GIS files at Jones & Stokes Associates

** Bouldin Island, Tyler Island, Staten Island, and McCormack Williamson Tract

Information Sources

U.S. Army Corps of Engineers (USACE), Sacramento District. 1982, 1986. Sacramento-San Joaquin Delta, California- draft feasibility analysis/environmental impact statement. Sacramento, CA.

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California Department of Water Resources. 1990. Draft environmental impact report and environmental impact statement, North Delta Program. Sacramento, CA.

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